

5 I claim:

1. A method for accumulating, storing, manipulating, querying, and displaying data in a knowledge base for adaptive Internet-based asset control, comprising the steps of;

collecting information relating to third parties/customers, third party/customer assets,

10 software modifications/additions, jobs/tasks, asset repair processes, asset storage, job/task funding, and warranties;

incorporating said collected information into a structured relational database; and

providing a graphical user interface including a plurality of single-click buttons for initiating a user-defined query that allows a user to access said database, manipulate said

15 collected information, and selectively display a current status of a third party/customer's assets that are located in a military repair/supply depot.

2. The method for accumulating, storing, manipulating, querying, and displaying data in a

knowledge base according to claim 1, further comprising the step of assigning one of a plurality

20 of levels of access rights to each user.

3. The method for accumulating, storing, manipulating, querying, and displaying data in a

knowledge base according to claim 1, wherein said step of collecting information relating to

third parties/customers, third party/customer assets, software modifications/additions, new, in-

25 process, and completed jobs/tasks, asset repair processes, asset storage, job/task funding, and asset warranties is performed in real-time.

- 5        4. The method for accumulating, storing, manipulating, querying, and displaying data in a knowledge base according to claim 1, wherein said step of incorporating said collected information into a structured relational database further comprises constructing data files from said collected information on-the-fly.
- 10      5. The method for accumulating, storing, manipulating, querying, and displaying data in a knowledge base according to claim 1, further comprising the step of collecting constantly changing third party/customer information
- 15      6. An adaptive Internet-based asset control system for accumulating, storing, manipulating, querying, and displaying data in a military repair/supply depot, comprising:  
means for collecting data that characterizes third parties/customers, third party/customer assets, software modifications/additions, new, in-process, and completed jobs/tasks, asset repair processes, asset storage, job/task funding, and asset warranties;
- 20      a first data storage record for storing information relating to third parties/customers;  
a second data storage record for storing information relating to third party/customer assets;
- 25      a third data storage record for storing information relating to software modifications/additions;  
a fourth data storage record for storing information relating to new jobs/tasks;  
a fifth data storage record for storing information relating to in-process jobs/tasks;  
a sixth data storage record for storing information relating to completed jobs/tasks;

5        a seventh data storage record for storing information relating to asset repair processes;  
an eighth data storage record for storing information relating to asset storage;  
a ninth data storage record for storing information relating to job/task funding;  
a tenth data storage record for storing information relating to asset warranties;  
a plurality of user-definable queries for allowing a user to query said first through said  
10      tenth data storage records;  
one or more graphical user interfaces each with a plurality of single-click buttons for  
initiating one of said plurality of user-definable queries; and  
a computer for maintaining said first through said tenth data storage records and said  
plurality of user-definable queries and allowing a user to access, manipulate, and display selected  
15      structured data indicating the current status of third party/customer assets located in a military  
repair/supply depot.

7. The adaptive Internet-based asset control system according to claim 6, wherein said  
computer further comprises a MacroMedia® Cold Fusion MX server interface.

20        8. The adaptive Internet-based asset control system according to claim 6, wherein said  
computer further comprises a plurality of software applications resident on a hard disk drive.

25        9. The adaptive Internet-based asset control system according to claim 8, wherein one of  
said plurality of software applications is Cold Fusion Studio.

5        10. The adaptive Internet-based asset control system according to claim 8, wherein one of  
said plurality of software applications is Cold Fusion Server.

11. The adaptive Internet-based asset control system according to claim 8, wherein one of  
said plurality of software applications is Microsoft Internet Explorer.

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12. The adaptive Internet-based asset control system according to claim 8, wherein one of  
said plurality of software applications is Microsoft Access.

13. The adaptive Internet-based asset control system according to claim 6, wherein said  
15      computer maintains said first through said tenth data storage records in Microsoft SQL server  
database tables.

14. The adaptive Internet-based product control system according to claim 6, further  
comprising a log in graphical user interface.

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15. The adaptive Internet-based product control system according to claim 6, further  
comprising a plurality of levels of user access rights.

16. The adaptive Internet-based product control system according to claim 15, wherein  
25      said plurality of levels of user access rights includes one or more administration levels.

5        17. The adaptive Internet-based product control system according to claim 16, wherein a  
level of user access rights is selected from the group consisting of administration, production  
controller administration, production controller, technician, logistics, engineering, and guest.

10      18. The adaptive Internet-based product control system according to claim 6, wherein any  
one of said first through said tenth data storage records is modified in real-time.

19. The adaptive Internet-based product control system according to claim 6, wherein any  
one of said plurality of user-definable queries constructs data files on-the-fly.